

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 March 2005 (17.03.2005)

PCT

(10) International Publication Number
WO 2005/024484 A1

(51) International Patent Classification⁷: **G02B 6/46**

(21) International Application Number:
PCT/SE2004/001192

(22) International Filing Date: 13 August 2004 (13.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0302397-5 5 September 2003 (05.09.2003) SE

(71) Applicant (for all designated States except US): TELE-
FONAKTIEBOLAGET LM ERICSSON (publ)
[SE/SE]; S-164 83 Stockholm (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CAGENIUS, Torb-
jörn [SE/SE]; Stackvägen 16B, S-191 34 Sollentuna (SE).
MICKELSSON, Hans [SE/SE]; Cedergrensvägen 25,
S-126 36 Hägersten (SE).

(74) Agent: SVENSSON, Lena; Ericsson AB, Patent Unit
Core Networks, Älvsjö, Box 1505, S-125 25 Älvsjö (SE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

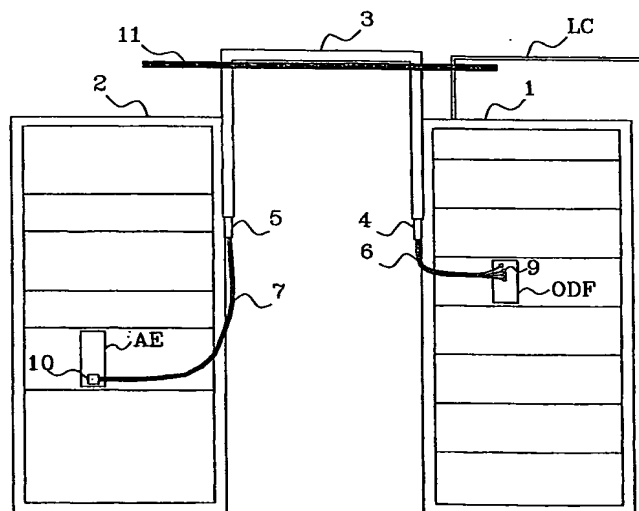
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD TO MINIMIZE EXCESS CABLE LENGTH



(57) Abstract: The present invention relates to method and arrangement to minimize excess fiber cable in large-scale point-to-point fiber installations, between equipment ODF, AE located in different equipment cabinets 1, 2. Each cabinet comprises at least one casing 4, 5, which casings are arranged to connect fiber cables with equipment in the cabinets via fan-out fiber cables 6, 7. The method comprises the following steps:- Attaching one end of a ribbon fiber cable 3 to a casing 4 that is adherent to a first equipment cabinet 1. - Routing of the ribbon fiber cable with a minimum excess length to a casing 5 adherent to a second equipment cabinet 2. - Cutting the other end of the ribbon fiber cable 3. - Attaching the cut end of the ribbon fiber cable 3 to the casing 5 adherent to the second equipment cabinet 2.